Performance Data Sheet

AZA0335YXA

General Information

Model	AZA0335YXA	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
0	Btu/h	385	298	241	205	182	161	136
	Watts	77.8	75.0	74.0	73.9	74.1	73.7	72.1
	Amps	1.04	1.05	1.05	1.05	1.05	1.05	1.06
	Lb/h	5.52	4.36	3.66	3.28	3.08	2.93	2.67
5	Btu/h	431	340	279	239	212	189	162
	Watts	80.1	77.4	76.6	76.8	77.4	77.7	76.7
	Amps	1.05	1.06	1.07	1.07	1.07	1.07	1.07
	Lb/h	6.16	4.98	4.26	3.86	3.64	3.46	3.18
10	Btu/h	486	388	321	276	244	217	186
	Watts	82.8	80.1	79.4	79.9	80.9	81.7	81.4
	Amps	1.06	1.07	1.07	1.08	1.08	1.08	1.08
	Lb/h	6.91	5.68	4.91	4.47	4.20	3.98	3.66
15	Btu/h	554	448	373	320	282	249	212
	Watts	85.7	83.0	82.4	83.1	84.5	85.7	86.0
	Amps	1.06	1.07	1.08	1.09	1.09	1.09	1.10
	Lb/h	7.82	6.53	5.70	5.19	4.87	4.58	4.20
20	Btu/h	639	523	438	377	330	289	244
	Watts	88.8	86.0	85.4	86.4	88.0	89.7	90.6
	Amps	1.07	1.08	1.09	1.09	1.10	1.11	1.11
	Lb/h	9.01	7.63	6.71	6.12	5.71	5.34	4.88
25	Btu/h	745	617	522	450	392	341	288
	Watts	92.0	89.1	88.5	89.5	91.4	93.5	94.9
	Amps	1.07	1.08	1.09	1.10	1.11	1.12	1.13
	Lb/h	10.5	9.05	8.03	7.34	6.82	6.35	5.78
30	Btu/h	877	736	627	543	474	411	346
	Watts	95.3	92.1	91.5	92.6	94.7	97.1	99.0
	Amps	1.07	1.09	1.10	1.11	1.12	1.13	1.14
	Lb/h	12.5	10.9	9.75	8.92	8.28	7.69	7.00

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.197597E+03	2.501801E+02	6.758967E-01	4.821040E+01
C2	1.818695E+01	1.232265E+00	-2.391177E-04	1.531698E-01

C3	-6.913143E+01	-4.714729E+00	9.830233E-03	-1.073473E+00
C4	3.726276E-01	1.572367E-02	-1.024019E-04	3.399462E-03
C5	-1.592979E-01	-2.034665E-02	3.319911E-05	-3.861129E-04
C6	5.408844E-01	4.187218E-02	-8.437046E-05	8.618689E-03
C7	5.726710E-03	-1.008726E-04	4.567205E-07	1.140598E-04
C8	-3.566490E-03	-9.569520E-05	6.020367E-07	-4.080289E-05
C9	4.976767E-04	1.292053E-04	-7.157305E-08	6.079603E-07
C10	-1.451961E-03	-1.234291E-04	2.393152E-07	-2.339023E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AZA0335YXA

General Information

Model	AZA0335YXA	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	625	524	445	385	338	299	264
	Watts	73.2	80.0	85.0	88.5	91.0	92.9	94.6
	Amps	1.02	1.07	1.10	1.11	1.11	1.11	1.12
	Lb/h	8.20	7.12	6.33	5.76	5.35	5.04	4.76
25	Btu/h	700	596	514	450	398	354	313
	Watts	76.6	83.5	88.5	92.1	94.7	96.7	98.6
	Amps	1.03	1.08	1.11	1.12	1.12	1.12	1.13
	Lb/h	9.17	8.12	7.33	6.76	6.33	5.99	5.66
30	Btu/h	783	676	590	520	463	413	365
	Watts	79.5	86.5	91.7	95.5	98.3	101	103
	Amps	1.04	1.09	1.11	1.12	1.13	1.13	1.14
	Lb/h	10.3	9.23	8.44	7.86	7.40	7.02	6.64
35	Btu/h	875	763	672	597	533	476	420
	Watts	81.9	89.2	94.6	98.7	102	104	107
	Amps	1.05	1.10	1.12	1.13	1.13	1.14	1.15
	Lb/h	11.5	10.4	9.66	9.05	8.56	8.12	7.68
40	Btu/h	974	856	760	678	607	542	478
	Watts	83.8	91.4	97.2	102	105	108	111
	Amps	1.06	1.11	1.13	1.14	1.14	1.15	1.16
	Lb/h	12.8	11.8	11.0	10.3	9.80	9.31	8.79
45	Btu/h	1080	957	853	765	686	612	539
	Watts	85.3	93.3	99.5	104	108	112	115
	Amps	1.07	1.12	1.14	1.15	1.15	1.16	1.17
	Lb/h	14.3	13.2	12.4	11.7	11.1	10.6	9.98
50	Btu/h	1190	1060	952	856	768	685	601
	Watts	86.3	94.8	101	107	111	115	119
	Amps	1.08	1.13	1.15	1.16	1.17	1.17	1.18
	Lb/h	15.9	14.8	13.9	13.2	12.5	11.9	11.2

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.703697E+03	-1.272852E+02	-1.427415E+00	3.523812E+01
C2	2.328398E-01	1.817250E+00	7.549747E-03	-1.080364E-01

C3	-5.103165E+01	4.133492E+00	6.118933E-02	-6.662440E-01
C4	3.352533E-01	-2.422123E-02	-9.102785E-05	3.742334E-03
C5	1.313257E-01	-1.003329E-02	-5.669947E-05	3.534146E-03
C6	3.449803E-01	-2.893085E-02	-5.034778E-04	4.515568E-03
C7	-4.615335E-04	4.786174E-06	5.036461E-07	7.824957E-07
C8	-1.653010E-03	1.752904E-04	4.965684E-07	-1.737985E-05
C9	-6.559937E-04	1.847874E-05	9.803887E-08	-1.355735E-05
C10	-8.053190E-04	7.090262E-05	1.394774E-06	-1.044484E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature